

MY09 FORESTER SUV CARGO BARRIER

Installation Instructions—Part Number
705400/425

705400 -To Suit **Non Sunroof** models only

705425 –To suit **Sunroof** models only

Production From March 2008 to Dec. 2012



This Cargo Barrier is capable of being located in two positions, behind the 2nd row of seats with the seats in an upright position, and behind the 1st row of seats with the 2nd row of seats in there folded position. (Note: In the behind 2nd row of seats position, the seat back cannot be fully reclined) The installation kit contains sufficient components for fitment to both locations. A high degree of technical competence is necessary to correctly install this product. We recommend this Cargo Barrier be installed by an Authorised outlet to ensure the barrier installation complies with AS/NZS 4034 Standard.

The cargo barrier is designed, manufactured and fitted to decrease the impact hazard in an accident to occupants from cargo carried within the interior cargo space of the vehicle. In the event of an accident, a cargo barrier can reduce injuries caused by cargo intruding into occupant's space.

Installation time approximately 2 Hours



WARNINGS

- Strict compliance with fitting instructions is essential for this safety product to meet its rated capacity. Refer user instructions regarding correct usage of the cargo barrier.
- Seat, seat belt or child restraint anchorage's must not be used for mounting the Cargo Barrier.
- Where high tensile threaded fasteners are used, the cargo barrier must be installed using the size and grade fasteners specified by Milford Industries.
- Do not drill, rivet, adhere or attach objects to the front or rear of the Cargo Barrier.
- Do not place smaller items, that may bypass the cargo barrier in the event of heavy braking or collision, near the edges of the barrier.
- When load is positioned against cargo barrier, secure the load with a restraint system.
- During a collision moving cargo may damage seat belts or tether straps of a child restraint device, or its anchorage. Load should be carefully positioned so as not to come in contact with these items.
- Do not obstruct seat belts or child restraints, or their operation.
- Long thin items of cargo should be positioned in the vehicle with the long axis across the vehicle to minimize the penetration risk.
- If involved in an accident or accidentally damaged, the cargo barrier should be replaced and the anchorage's repaired to as new condition.
- Clean with soap and water only. Do not use solvents or chemicals. Discard Cargo Barrier if it becomes rusted. Do not expose to direct sunlight for long periods.
- It is extremely dangerous to ride in the cargo area of the vehicle behind the cargo barrier. It is recommended that the cargo barrier be removed. In a collision people or children riding unrestrained in these areas are more likely to be seriously injured or killed.
- Never leave a child in the vehicle unattended, particularly in the rear cargo area. The cargo area should never be used as a play area for children.
- The Cargo Barrier may deform and significantly intrude into occupant's space in an accident.
- Remember that the tailgate cannot be opened from inside the cargo area.
- The fixed labeling should not be removed from the cargo barrier.
- Failure to comply with warning notes may prevent the barrier protecting the occupants.
- Parents should explain to children how and when to use **EMERGENCY ESCAPE HAMMER** attached to Cargo Barrier.

NOTICE TO FITTERS AND DISTRIBUTORS

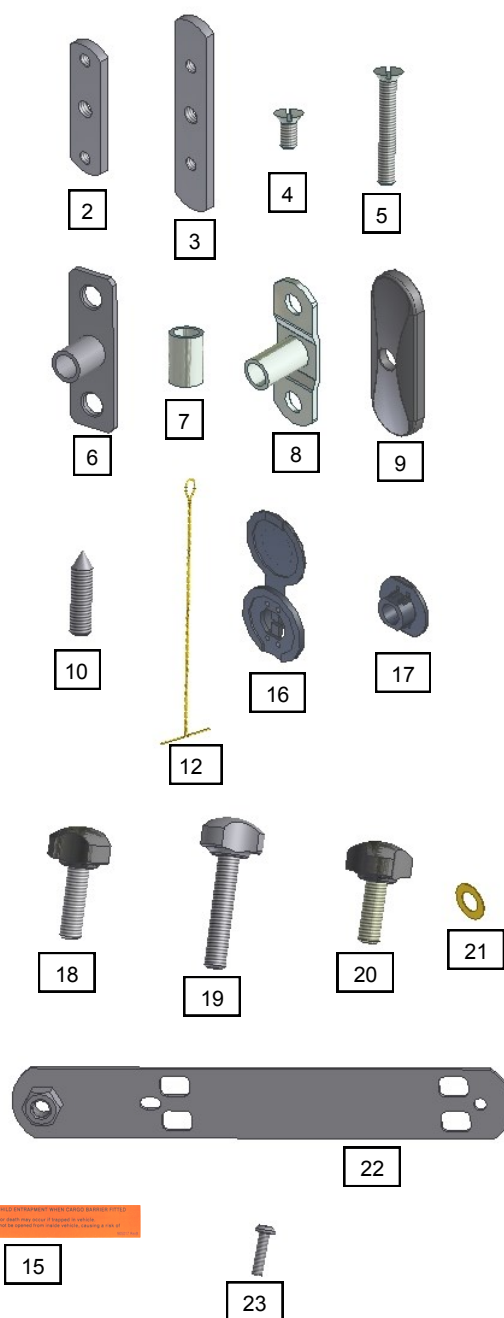
Please ensure these installation instructions are left in the glove box after fitment of Cargo Barrier

IMPORTANT: The installation kit contains sufficient components to fit the cargo barrier. A high degree of technical competence is necessary to correctly install this product. We recommend this Cargo Barrier be installed by an Authorised Dealer to ensure the barrier is installed in a correct and safe manner. These instructions must be read and clearly understood before commencing installation. Strict compliance with installation instructions is essential for this safety product to meet its rated capacity.

Parts List

Important: Check contents of kit before commencing fitment and report any discrepancies.

Item	Component Name	Part No.	Qty
1	Cargo Barrier Assembly (Not shown)	705400	1
2	Mounting plate - Short	754000	2
3	Mounting plate - Long	754593	2
4	CSK Screw $\frac{5}{16}$ x $1\frac{1}{2}$ "	912615	4
5	CSK Screw $\frac{5}{16}$ x 2"	912550	4
6	Cover plate ASM with Ø16 x 24mm tube	754830	2
7	Spacer tube Ø16mm x 24mm Zn	754829	4
8	Cover plate ASM with Ø16 x 26mm tube	754850	2
9	Cover plate—Plastic	754960	2
10	Marking pin—M10 x 40mm	906186	1
11	Tekote (Rust Preventative) (Not shown)	906300	1
12	Installation Tool	754200	2
13	Cleaning Pad (Not shown)	906302	1
14	Template—Card (Not shown)	705413	1
15	Warning Label	905017	1
16	Trim plug—Base	753075	2
17	Trim plug—Insert	753077	2
18	Milbolt M10 x 1.5 x 44mm	913060	2
19	Milbolt M10 x 1.5 x 59mm	913115	2
20	Milbolt M10 x 1.5 x 29mm	912830	2
21	Wave Washer—10mm	932125	4
22	Bracket—Front roof mount	752996	2
23	Button head screw—M5 x 20mm	912870	4



WARNING: Read and understand all instructions before using this product. Use proper safety techniques to avoid injury or death. Do not use this product for any other purpose than intended. Do not use this product for any other purpose than intended.

TOOLS REQUIRED

- | | |
|---|--|
| <input type="checkbox"/> Hammer | <input type="checkbox"/> Scissors |
| <input type="checkbox"/> Screwdriver—Large Flat Blade | <input type="checkbox"/> Magnetic Pickup Tool |
| <input type="checkbox"/> Power Drill | <input type="checkbox"/> Tekote Applicator |
| <input type="checkbox"/> Masking Tape | <input type="checkbox"/> Vacuum Cleaner |
| <input type="checkbox"/> Marker | <input type="checkbox"/> Cover sheet / Drop sheet |
| <input type="checkbox"/> Centre Punch | <input type="checkbox"/> Torque Wrench (22Nm) |
| <input type="checkbox"/> 5mm, 9mm, 12mm Drill Bits | <input type="checkbox"/> 12mm AF Socket & Wrench |
| <input type="checkbox"/> Drill stop's | <input type="checkbox"/> Hex Keys or Hex driver bits |
| <input type="checkbox"/> 22mm Hole Saw | |
| <input type="checkbox"/> 16mm/20mm/22mm Vinyl Cutter | |
| <input type="checkbox"/> Hole De-Burring Tool | |

FITTERS ADVICE

Note: To fit the Cargo Barrier the following is essential:

- ☐ Always drill perpendicular to surface (Unless stated otherwise).
- ☐ A positive drill stop should always be used to prevent accidental damage to external panels, fuel lines etc.
- ☐ Ensure Safety Eye Protection and Gloves are worn as required when using cutting tools.
- ☐ When cutting metal panels be very careful of sharp edges, for risk of skin cuts etc.
- ☐ Care should be taken when applying Tekote Sealer/Rust Preventative to all holes drilled to negate the possibility of skin and eye irritation.
- ☐ Check screws in relevant components by hand before installation. Should there be resistance re-tap threads and re-check.
- ☐ **Before marking or drilling for this Cargo Barrier, check vehicle for LPG Conversion. If LPG is fitted, locate gas unit and all lines attached and take EXTREME CARE whilst installing this Cargo Barrier.**

CARE SHOULD BE TAKEN NOT TO CROSS THREAD THE FASTNERS DURING INSTALLATION OF COMPONENTS TO THE VEHICLE.

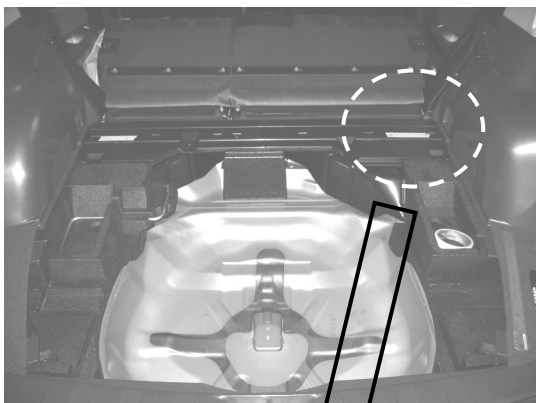
MARKING PROCEDURE FOR FLOOR MOUNTS



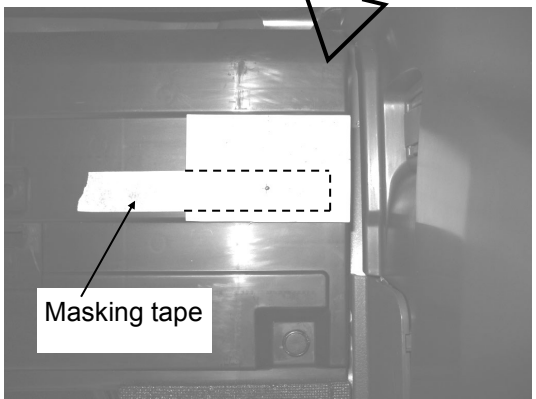
1. Identify area that you are working in. *REAR CARGO AREA*.



2. Unclip floor covering just behind second row seats as shown.



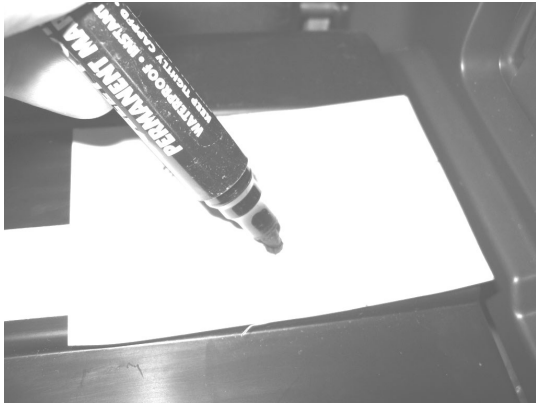
3. Remove cargo are floor panel and spare wheel.



4. Apply masking tape to approximate location shown on hard plastic trim panel just behind 2nd row seats. Repeat on other side.
5. Cut out marking templates as indicated on template. Position template with front edge up against step in hard plastic panel and outer edge level with side of trim panel as shown.

Drivers side shown

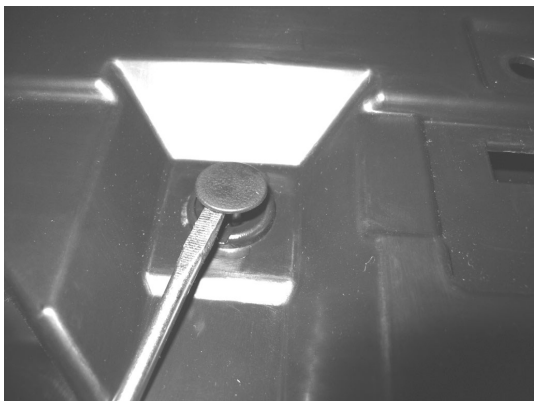
MARKING PROCEDURE FOR FLOOR MOUNTS—Continued



6. Mark mounting plate centre hole location as indicated on template.
Repeat on passenger side with template turned over—**Ensure correct edges are used when reversed.**



7. At marked locations on hard plastic floor trim drill 5mm pilot hole through trim.



8. Approximately 20mm behind hard plastic trim is metal panel. **Mark this panel with drill bit but DO NOT drill through panel.**
A fuel vapour canister is located close behind this panel on drivers side and can be easily damaged by drilling through panel. On some models there is also fuel lines located under panel on passenger side.



9. Remove 4 trim clips holding hard plastic trim panel in place. Remove plastic panel.



10. Using mounting plate (Item 2) as a template position plate over marked centre point and parallel with side of metal panel as shown. Mark outer holes onto panel.
Repeat on other side.

MARKING PRODEDURE FOR FLOOR MOUNTS—Continued



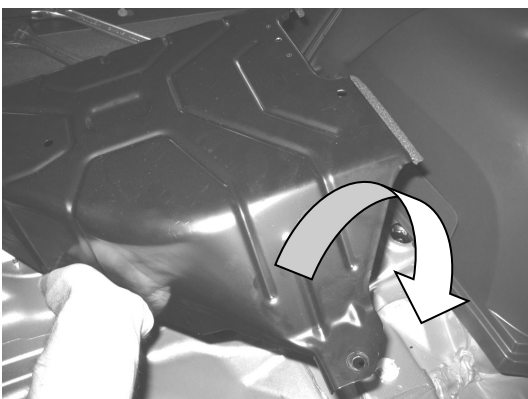
11. Centre punch all marked locations.



12. Undo & remove 4 x M8 nuts securing centre floor brace in place.
13. Remove centre floor brace.

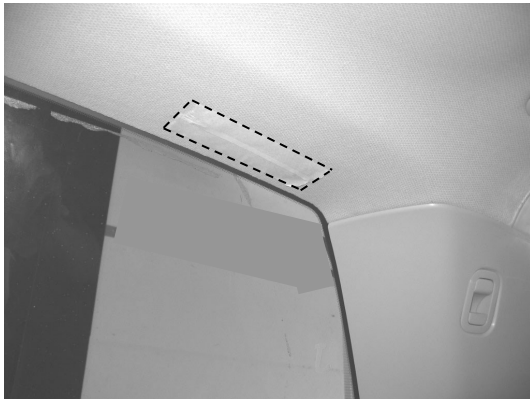


14. Undo & remove 4 x M8 screws securing drivers side & passenger side floor brace panels in place.



15. Remove drivers side & passenger side floor brace panels from vehicle.

MARKING PROCEDURE FOR REAR POSITION ROOF MOUNTS



Drivers side shown

16. Identify area that you are working in.
- *ROOF LINING ABOVE CARGO AREA SIDE WINDOWS.*

17. Apply masking tape to roof lining in approximate location shown.
Hint—Use marking template as a guide.



18. Position roof marking template as shown.
Follow instructions on template.



19. Mark 3 mounting plate hole locations onto masking tape as shown.
Repeat on passenger side with template turned over—**Ensure correct edges are used when reversed.**



20. Using long slender centre punch, pierce through roof trim at marked locations and centre punch metal panel approximately 20mm behind.
Ensure punch is held perpendicular to the roof trim.

MARKING PROCEDURE FOR FRONT POSITION ROOF MOUNTS

(If required by customer)



21. Remove grab handles located above 2nd row of seats to expose captive nuts shown.



22. Apply masking tape to roof lining just forward of grab handle holes.

Drivers side shown



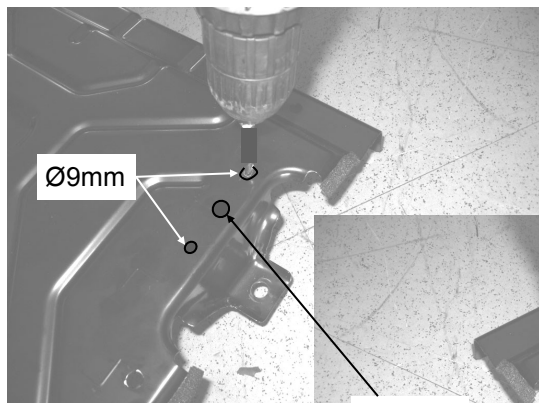
23. Using one of the front position roof mount brackets (Item 22) as a template, locate the 6mm holes over the top of grab handle captive nuts with the M10 captive nut towards the front of the vehicle as shown.

Hint— Locate bracket accurately using M5 screws (Item 23) from kit.

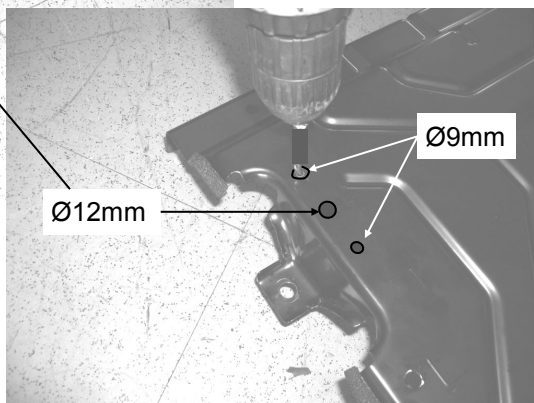


24. Mark centre of M10 captive nut onto masking tape. Repeat on other side.

DRILLING PROCEDURE FOR FLOOR MOUNTS

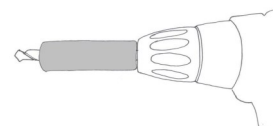


Drivers side with panel out of vehicle

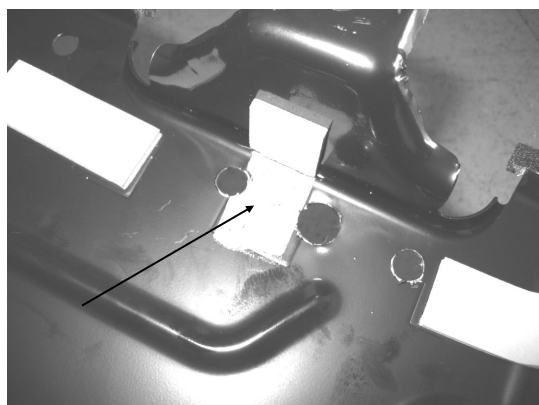


Passenger side with panel out of vehicle

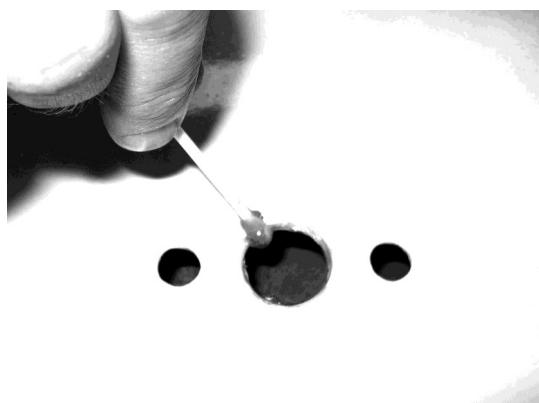
25. Using Ø5mm drill bit, pilot drill the marked floor mount locations—6 places.
A drill stop is recommended to prevent damage to outer panels.



26. Using Ø9mm drill bit enlarge outer holes.
Using Ø12mm drill bit enlarge centre holes only.



27. Turn drivers side floor brace panel over and remove foam tape adjacent to drilled holes.

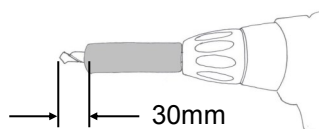


28. De Burr drilled holes,
Vacuum away all drilling swarf
and apply Tekote sealer (Item 11) to raw edges.

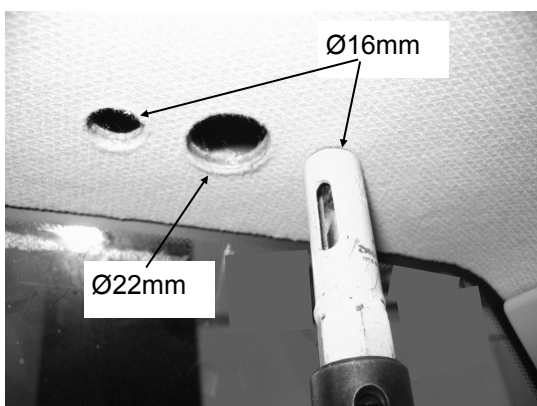
DRILLING PROCEDURE FOR REAR ROOF MOUNTS



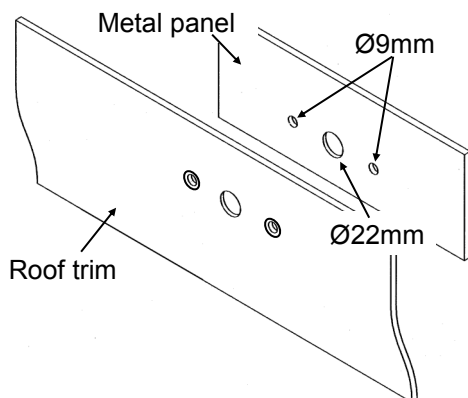
29. Using Ø5mm drill bit with drill stop set at approximately 30mm, pilot drill each of the locations marked at steps 19/20. (6 Places)



30. Using Ø22mm Vinyl cutter, cut through roof lining at centre holes only.



31. Using Ø16mm Vinyl cutter, cut through roof lining at outer holes only.

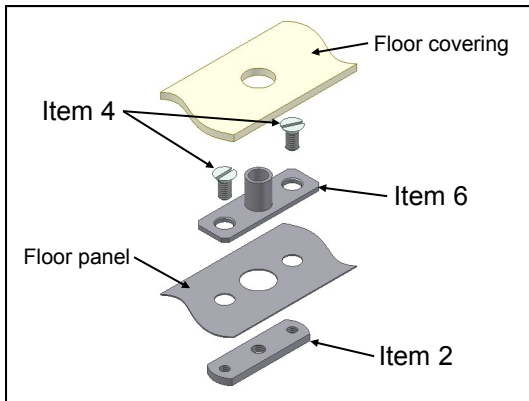


32. Using Ø9mm drill bit with **drill stop** set at approximately **10mm** enlarge outer holes in metal panel.
33. Using Ø22mm hole saw with **drill stop** set at approximately **30mm** enlarge **centre** holes only in metal panel.



33. De Burr drilled holes, Vacuum away all drilling swarf and apply Tekote sealer (Item 11) to raw metal edges.

INSTALLATION PROCEDURE FOR FLOOR MOUNTS



34. Assemble floor mounts as shown using short mounting plates (Item 2), Cover plate ASM's (Item 6) and 1/2" CSK screws (Item 4). Tighten all screws.

35. Re Assemble floor brace panels removed at Steps 12 to 15 in reverse order. Torque screws & nuts to 22Nm.



36. Using Ø22mm hole saw, drill out two pilot holes (from step 7) in hard plastic under floor panel.

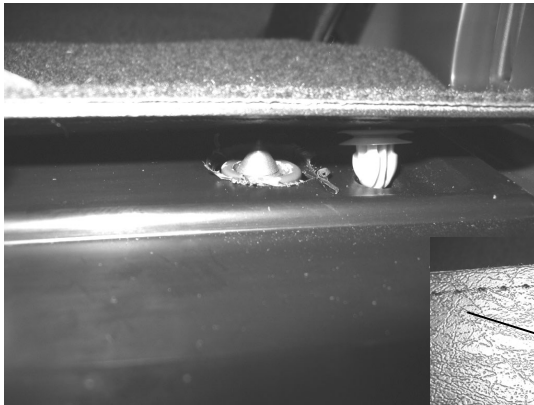


37. Re Assemble hard plastic under floor panel to vehicle in reverse order to Step 9.

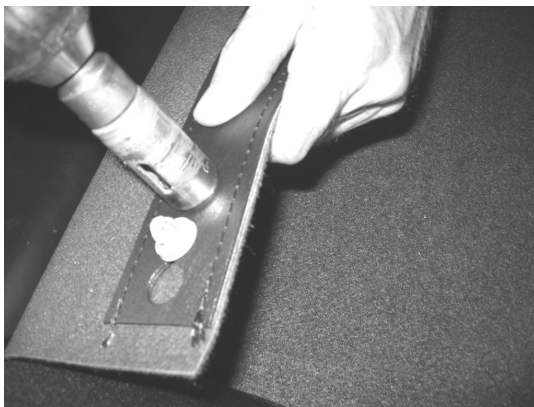
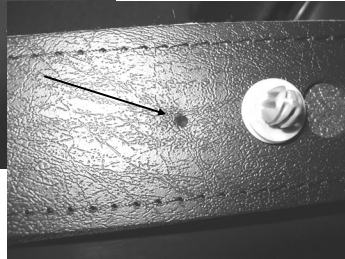


38. Screw Marking pin (Item 10) into floor mount as shown with point upwards.

INSTALLATION PROCEDURE FOR FLOOR MOUNTS—Continued



39. Re locate floor covering removed at step 2, applying enough pressure to mark the underside as shown. Relocate marking pin to other side and repeat. Remove marking pin.

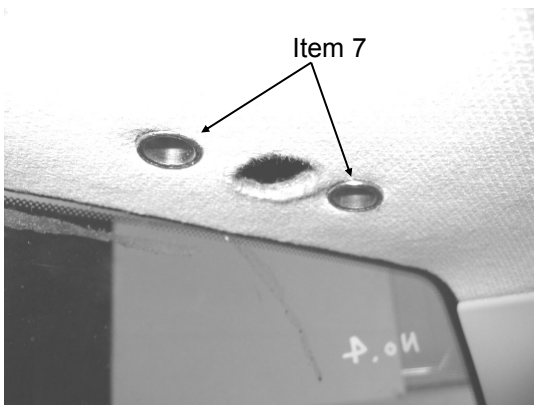


40. Using Ø20mm Vinyl cutter cut through floor covering at each of the marked locations.

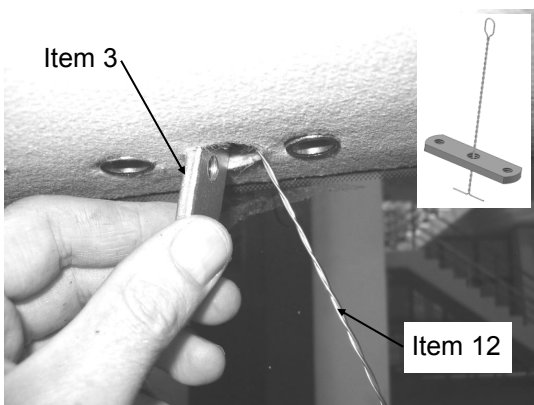
Hint—Start cut from underside, then switch to topside for a clean cut hole.

41. Clip floor covering back into place.

INSTALLATION PROCEDURE FOR REAR ROOF MOUNTS



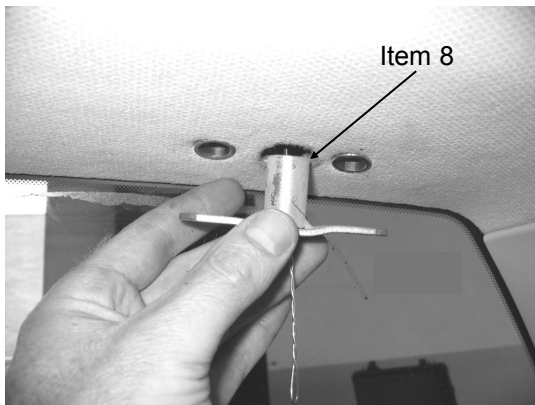
42. Insert spacer tubes (Item 7) into outer holes in roof trim as shown. Ensure ends of tubes are flush with inner face of trim before continuing.



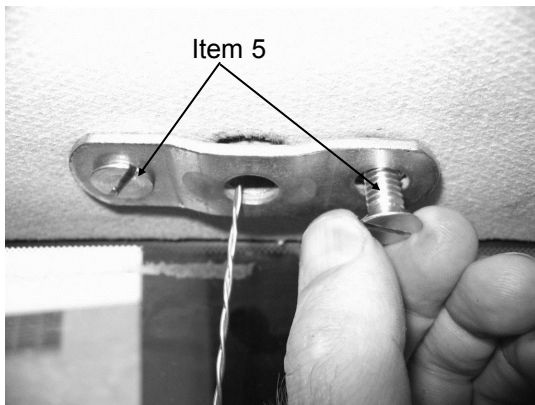
43. Insert installation tool (Item 12) through centre hole in Long mounting plate (Item 3).
44. Keeping installation tool attached insert mounting plate through 22mm hole in roof panel. Manoeuvre plate into position on outside of panel with outer holes aligned with 9mm drilled holes.

Hint— An inner panel may be present to the rear of the drilled holes. Insert the mounting plate towards the front of the vehicle to avoid contact with this panel.

INSTALLATION PROCEDURE FOR REAR ROOF MOUNTS—Continued

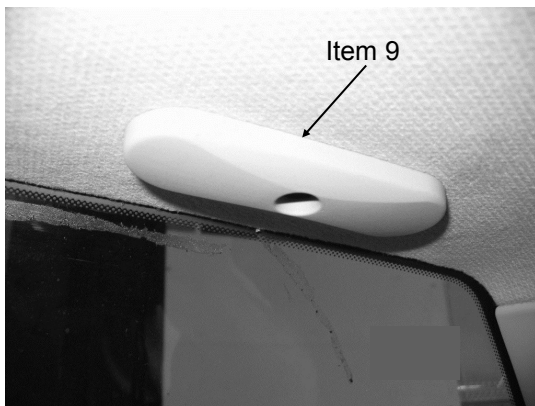


45. Slide cover plate ASM (Item 8) over installation tool as shown.



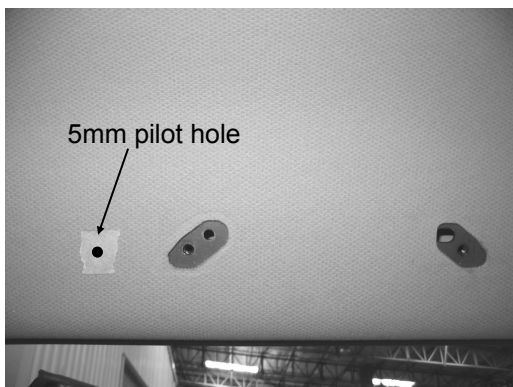
46. Secure cover plate ASM in place using 2" CSK screws (Item 5)

Hint— Once screws are attached to mounting plate, remove installation tool and temporarily insert Milbolt (Item 19) into centre thread before tightening outer screws.



47. Clip plastic cover plate (Item 9) onto metal cover plate ASM as shown.
Repeat steps 42 to 47 on other side.

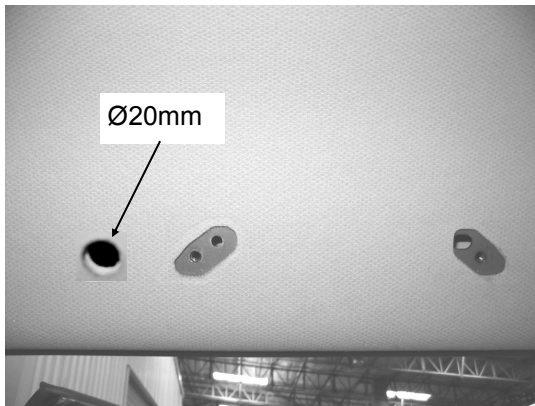
DRILLING & INSTALLATION PROCEDURE FOR FRONT ROOF MOUNTS



Drivers side shown

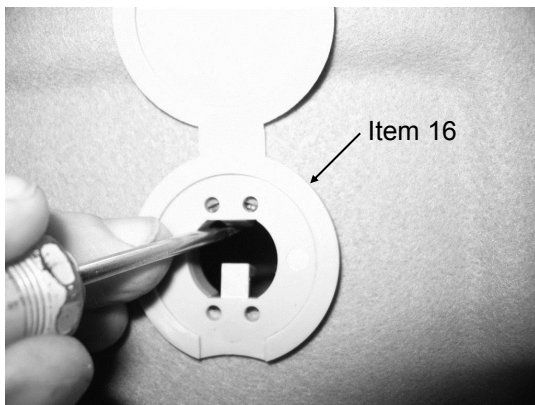
48. At marked mount locations from Step 24, drill a Ø5mm pilot hole through roof trim. Set **drill stop** at approximately 10mm.

DRILLING & INSTALLATION PROCEDURE FOR FRONT ROOF MOUNTS —Continued

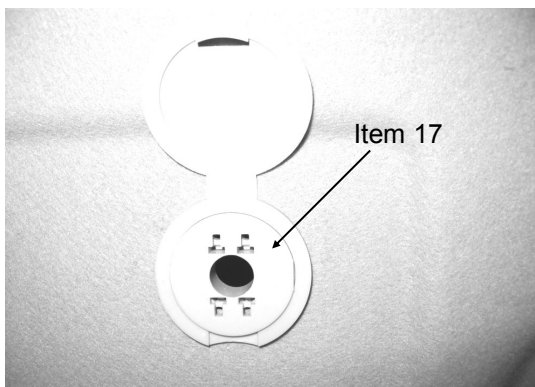


49. Using Ø20mm Vinyl cutter with **drill stop** set at approximately **10mm**, enlarge hole through trim. Repeat on other side.

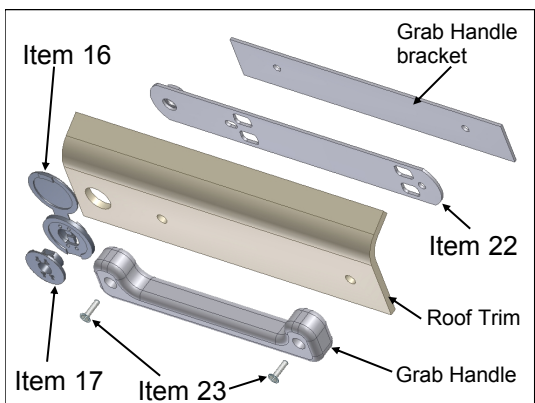
NOTE: If using an externally ground Vinyl cutter, a Ø22mm cutter may be required to give a finished diameter of 20mm.



50. Insert round trim plug base (Item 16) into 20mm hole in trim with lid to top. Using small screwdriver or similar push retention legs outwards behind roof trim.



51. Push trim plug insert (Item 17) into centre of base until it clips in place flush.



52. Pull rubber door seal adjacent to grab handles down to allow access behind roof trim.

53. With M10 captive nut towards the outside of vehicle, slide front roof bracket (Item 22) in behind trim and align 6mm holes in bracket with grab handle captive nuts.

54. Secure grab handle back in place using high tensile M5 x 20 button head screws (Item 23) from kit.

Re install door seal and repeat on other side.



ATTACH WARNING LABEL TO DRIVERS SIDE DOOR OPENING.

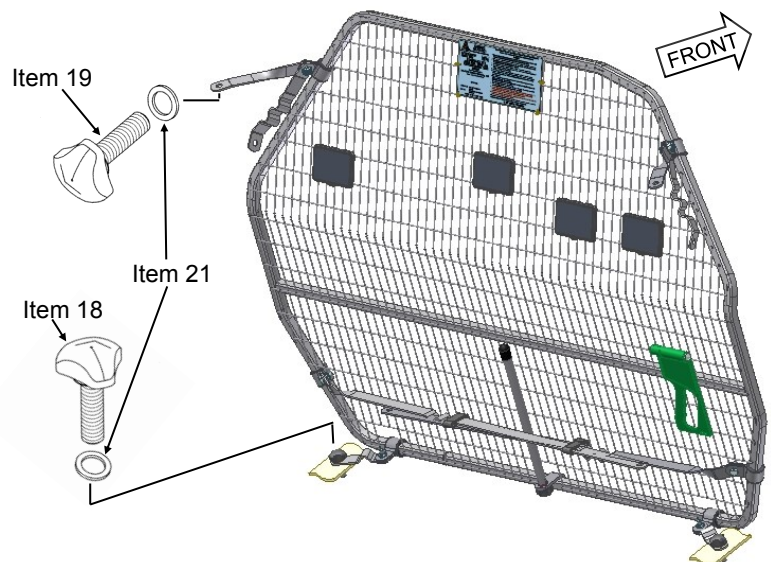


55. Using cleaning pad (Item 13) clean approximate area shown on drivers door opening.
56. Allow to dry then attach orange warning label (Item 15) as shown.

INSTALLATION OF CARGO BARRIER IN VEHICLE

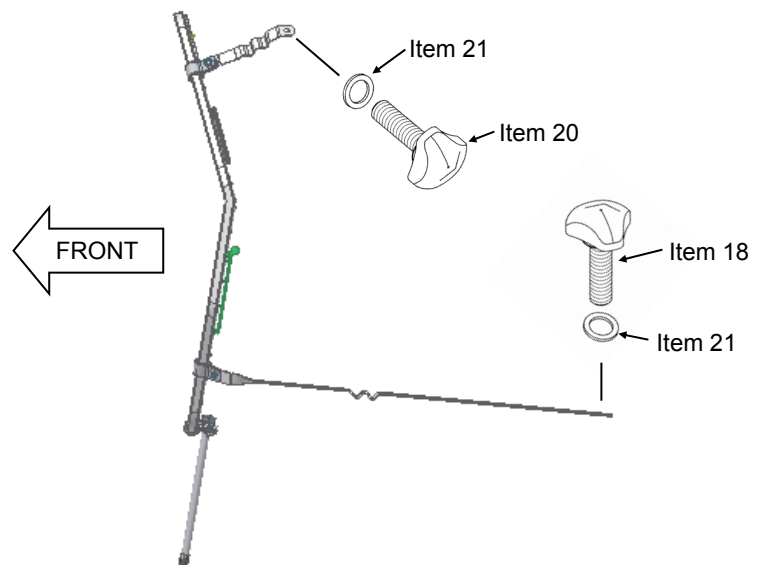
REAR POSITION

- Lay 2nd row seat back down to allow Cargo Barrier to be easily positioned in the behind 2nd row seat location.
- Attach top twisted straps to rear roof mounts using 59mm Milbolts (Item 19) with Wave Washers (Item 21) under heads.
- Attach short bottom straps to floor mounts using 44mm Milbolts (Item 18) with Wave Washers (Item 21) under heads.
- Tighten all Milbolts, lock seat back into place (1st or 2nd notch only) and replace cargo blind.



FRONT POSITION

- Lay 2nd row seat back down.
- With Cargo Barrier laying on its back in cargo area remove Milbolt securing support leg. Re-attach support leg as shown.
- Position Cargo Barrier behind 1st row seats.
- Attach top 'wrinkled' straps to front roof mounts using 29mm Milbolts (Item 20) with Wave Washers (Item 21) under heads.
- Unfasten long bottom straps from Cargo Barrier and attach to floor mounts using 44mm Milbolts (Item 18) with Wave Washers (Item 21) under heads.



IMPORTANT NOTE: Check that all bolts and screws are tight and re check periodically.